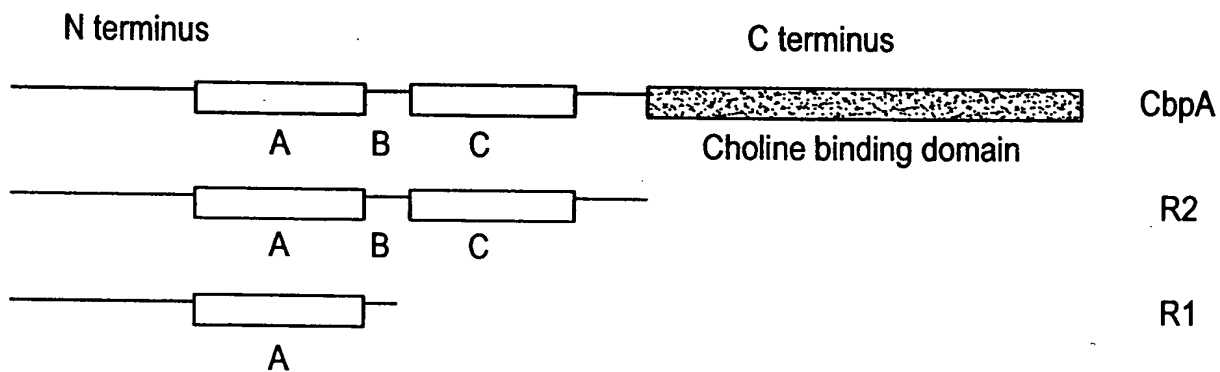




FIG. 1



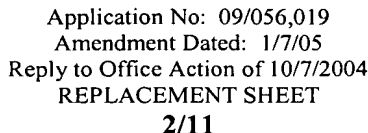
[illegible]



FIG. 2A-2

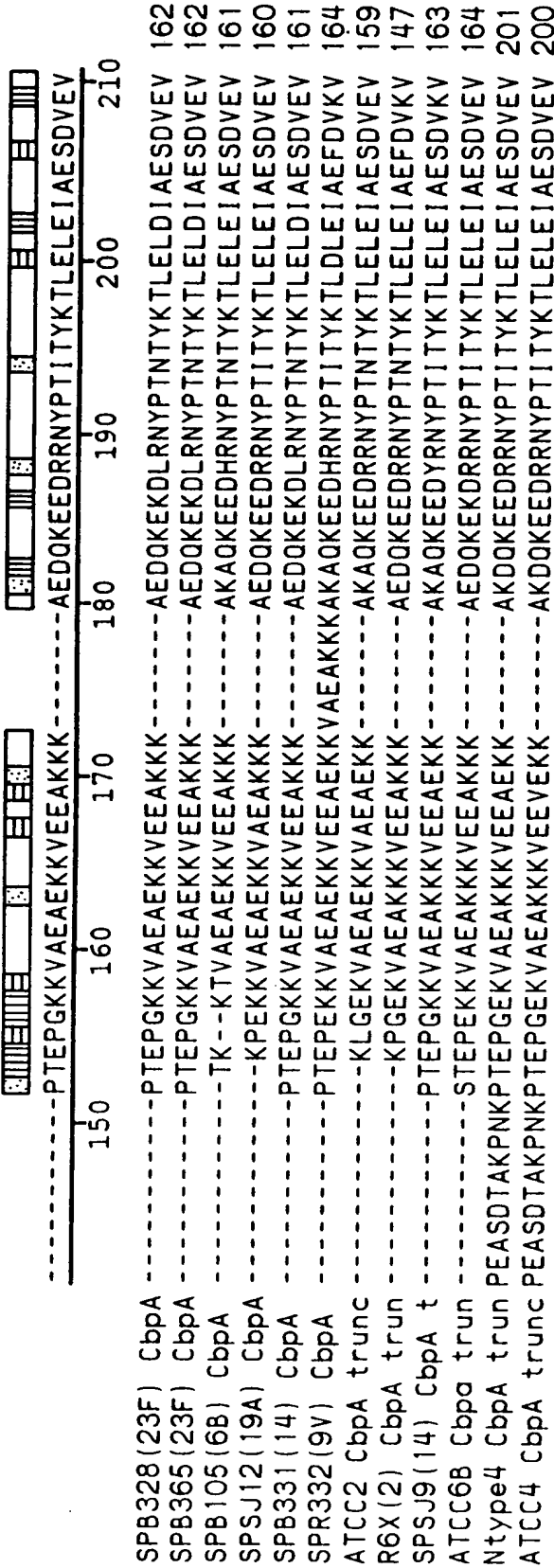




FIG. 2B-1

SPB328 (23F) CbpA KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 227
SPB365 (23F) CbpA KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 227
SPB105 (68) CbpA KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 227
SPSJ12 (19A) CbpA KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 227
SPB331 (14) CbpA KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 226
SPR332 (9V) CbpA KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 229
ATCC2 CbpA trunc KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 222
R6X (2) CbpA trunc KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 213
SPSJ9 (14) CbpA t KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 227
ATCC68 CbpA trunc KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 234
Ntype4 CbpA trunc KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 261
ATCC4 CbpA trunc KKAELVKEEAKESRDEKKINOAKAKVENKKAEATRLKNIKTREKAE--AKRRADAKLOEA---NVA 260

SPB328 (23F) CbpA TSEODKSKRRRAKREVXGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 297
SPB365 (23F) CbpA TSEODKSKRRRAKREVXGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 297
SPB105 (68) CbpA TSEODKPKGRRKRGVPGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 300
SPSJ12 (19A) CbpA -S-SKRRKSRXKRGVPGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 291
SPB331 (14) CbpA TSEODKSKRRRAKREVXGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 296
SPR332 (9V) CbpA -S-SKRRKSRXKRGVPGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 295
ATCC2 CbpA trunc -S-SKRRKSRXKRGVPGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 288
R6X (2) CbpA trunc TSDQCKPKGRRKRGVPGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 283
SPSJ9 (14) CbpA t -S-SKRRKSRXKRGVPGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 293
ATCC68 CbpA trunc -S-SKRRKSRXKRGVPGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 300
Ntype4 CbpA trunc -S-SKRRKSRXKRGVPGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 328
ATCC4 CbpA trunc -S-SKRRKSRXKRGVPGELATPOKKENDAKSSDSSVGEETLTPSLKPEKKVAEAEKKVVEEAKKKAEDQK 327

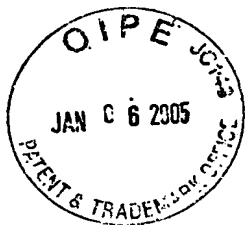


FIG. 2B-2

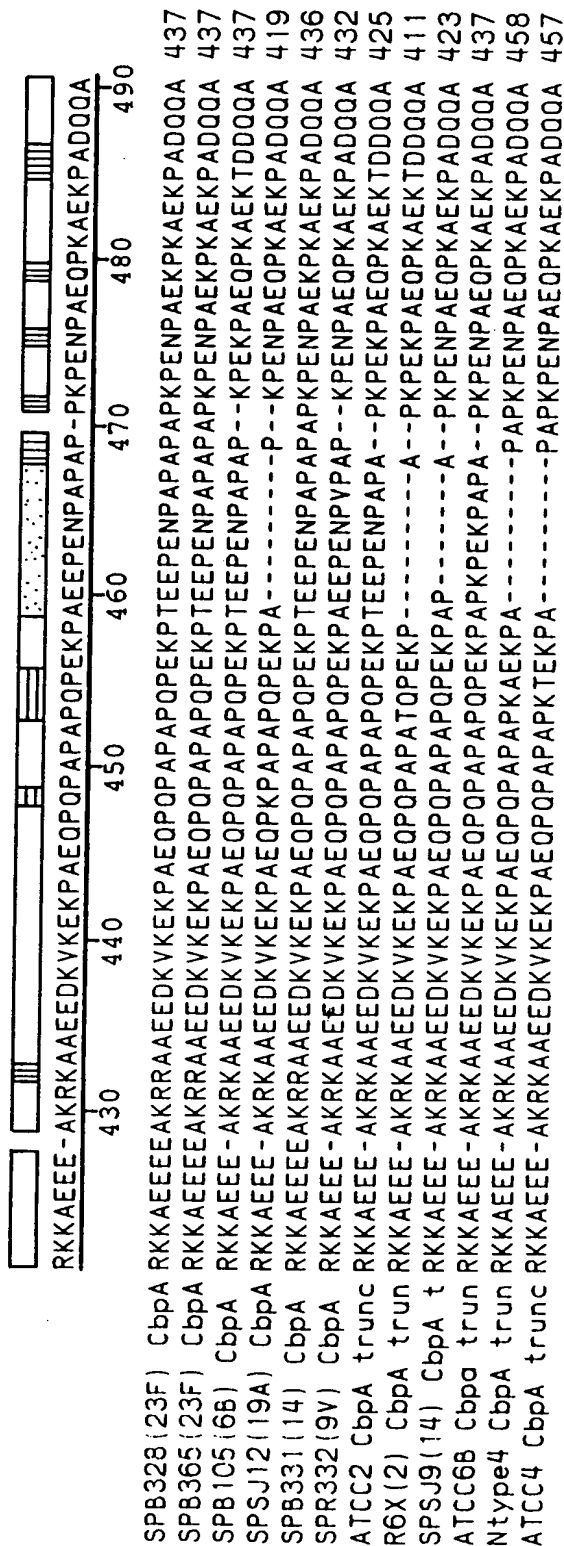
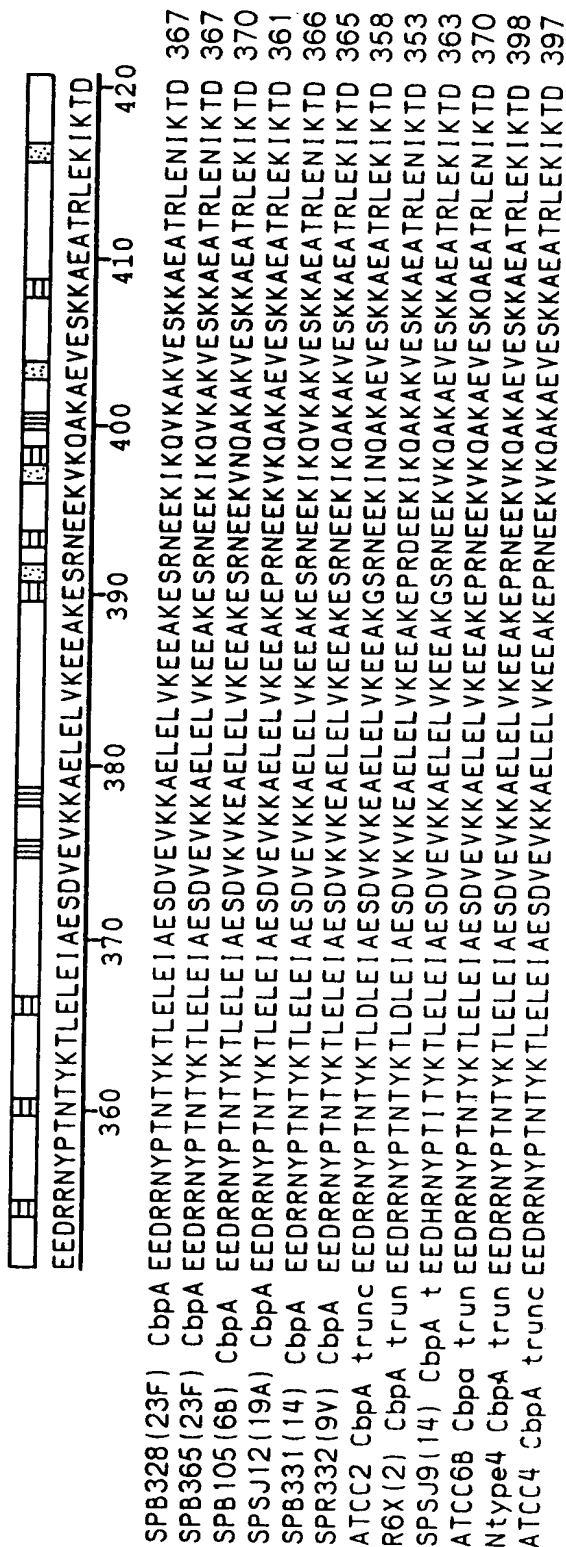


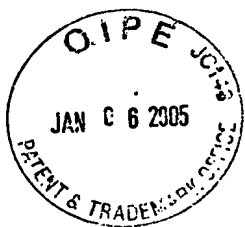


FIG. 2B-3

III
EE

SPB328(23F) Cbpa EE
SPB365(23F) Cbpa
SPB105(68) Cbpa EE
SPSJ12(19A) Cbpa
SPB331(14) Cbpa E
SPR332(9V) Cbpa E
ATCC2 Cbpa trunc EE
R6X(2) Cbpa trunc EE
SPSJ9(14) Cbpa t EE
ATCC68 Cbpa trunc EE
Ntype4 Cbpa trunc EE
ATCC4 Cbpa trunc EE

439
437
439
419
437
433
427
413
425
439
460
459



CBP Truncate 483:58

CBP Truncated-Truncate 483:57

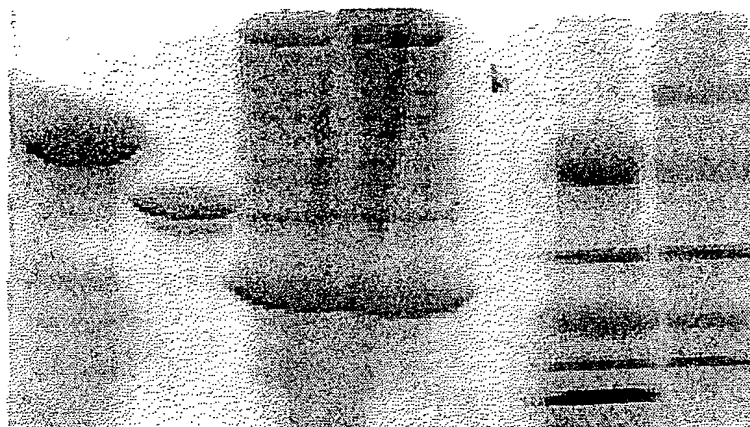


FIG. 3



FIG. 4

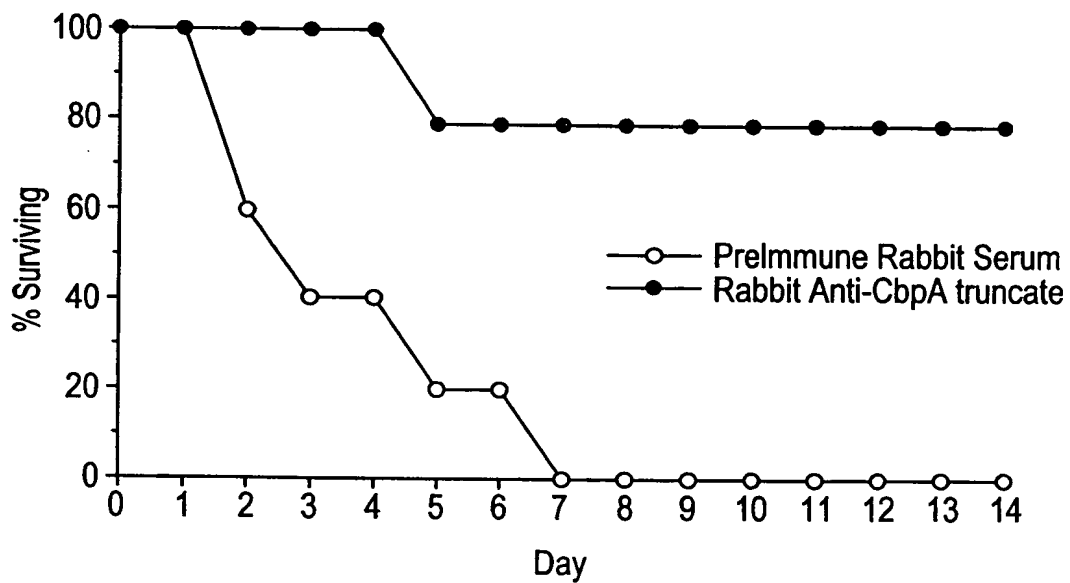




FIG. 5

Titration of anti-R2 antibody on R6x adhering to LNT-
HSA coated plates

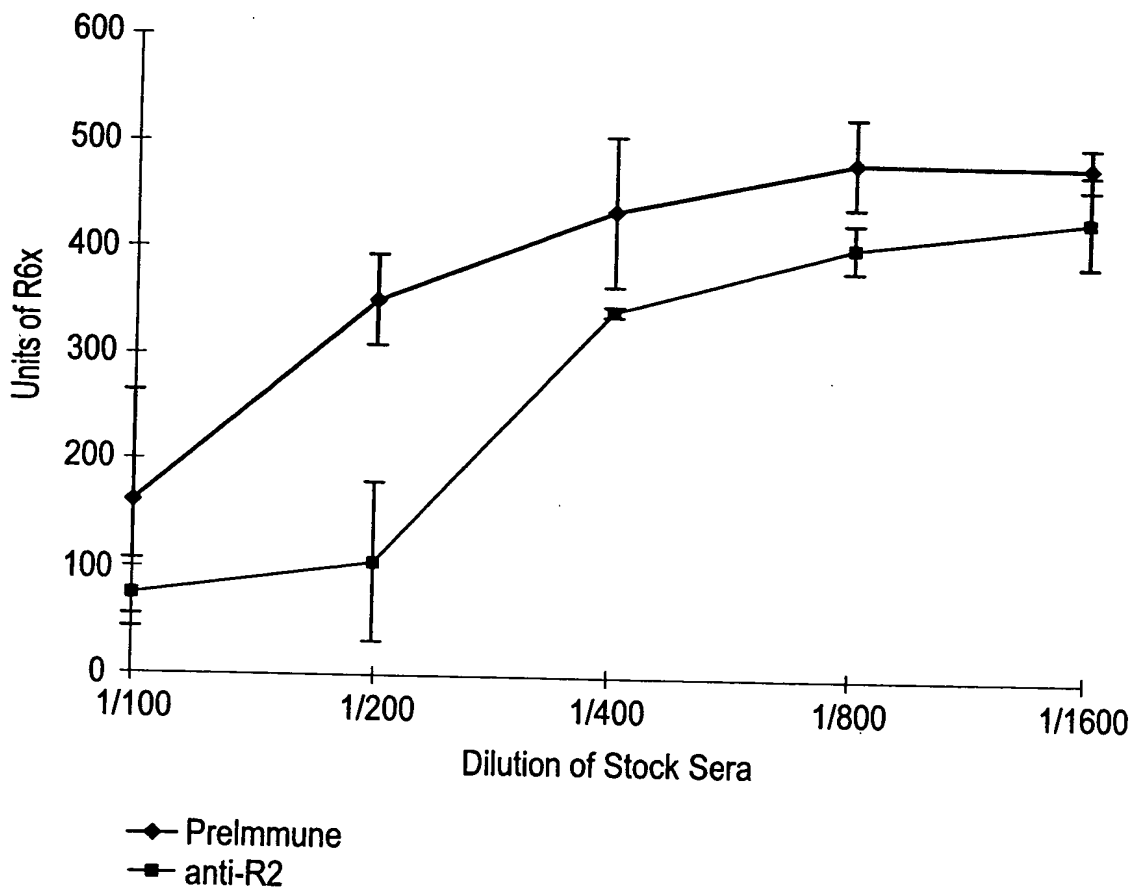




FIG. 6

T4R Pretreated with anti-CbpA Antibody Prior to
Adhesion to LNT-HSA Coated Plates

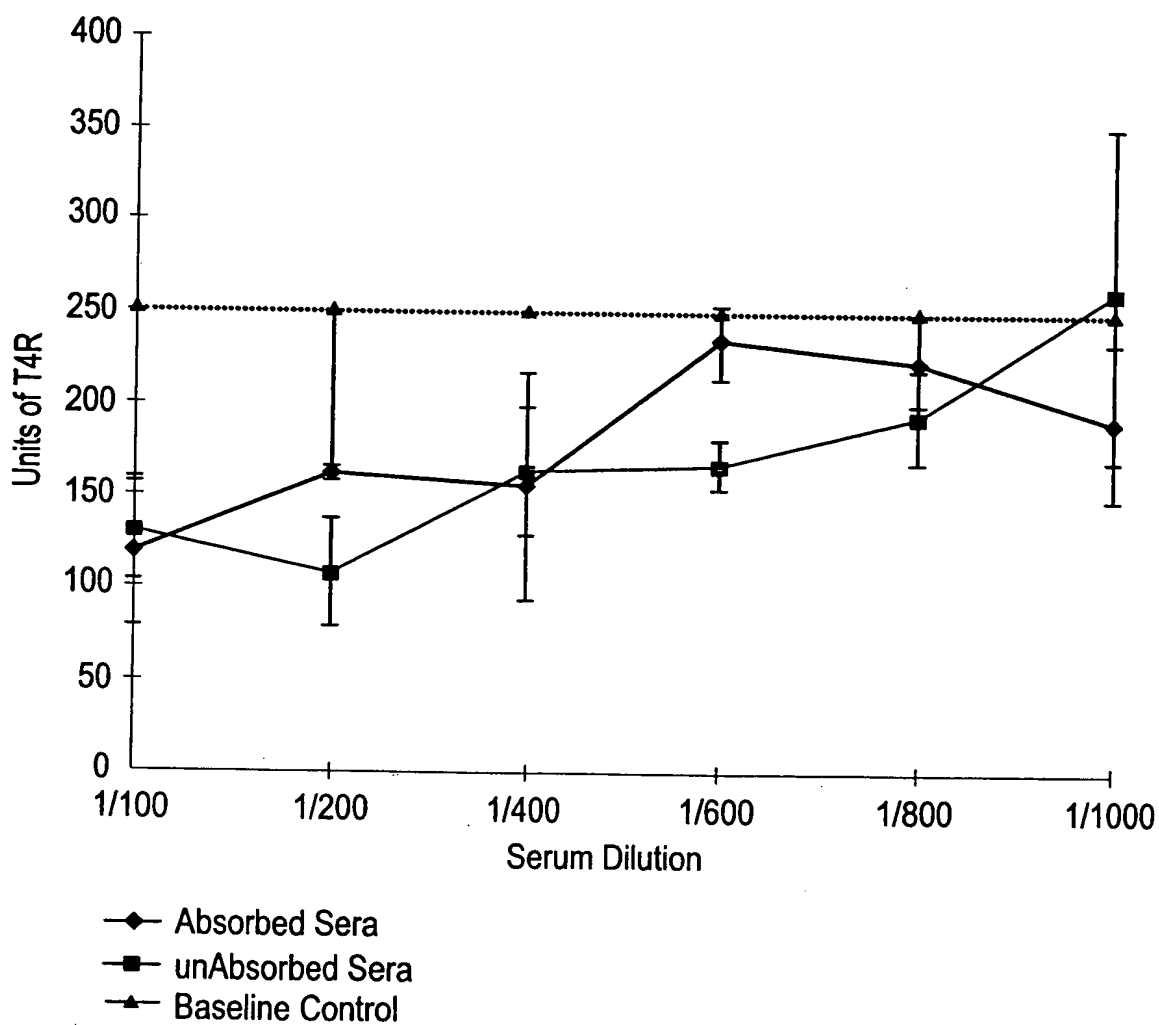
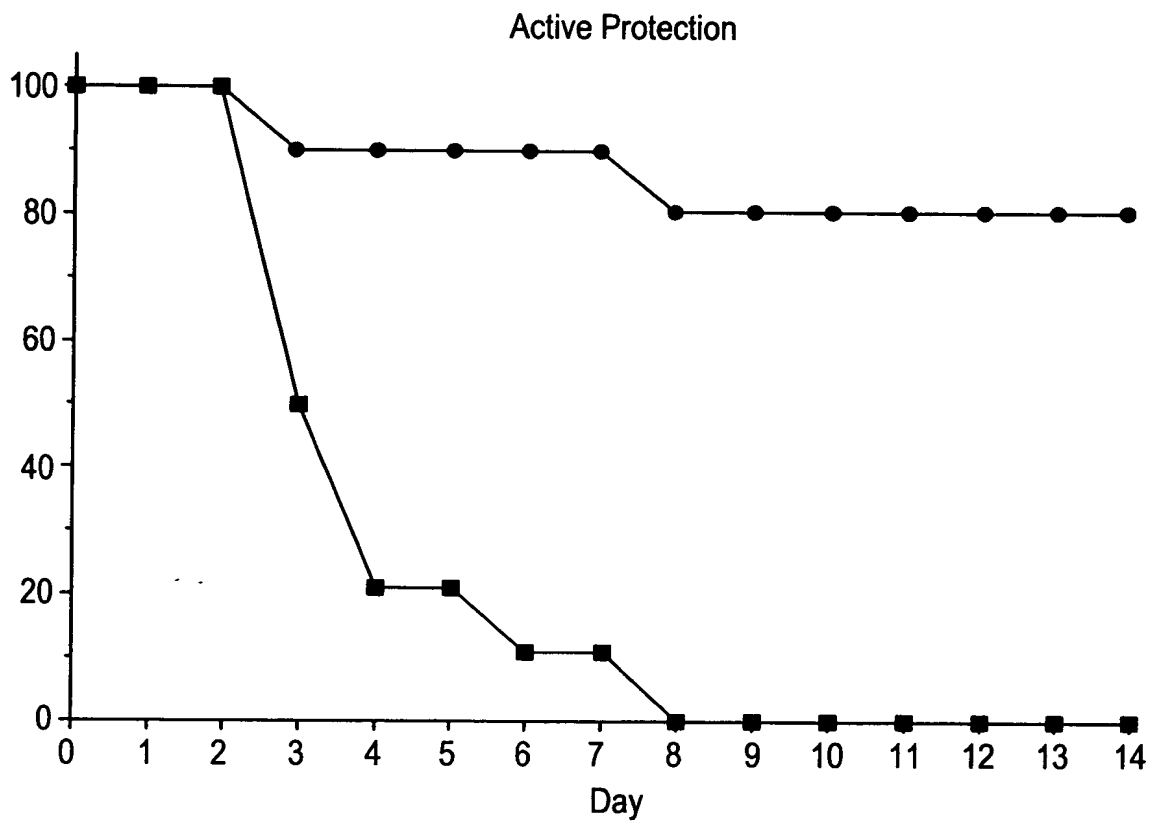




FIG. 7



EPT: 4,096,000

Challenge: 560 cfu serotype 6B

n=10

- Sham
- CbpA truncate NR1X